



WZYX

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AM STEREO
(615) 967-7471

COWAN WINCHESTER DECHERD
P.O. BOX 398
COWAN, TN 37318

RECEIVED
AUG 28 1996
FCC MAIL ROOM

August 20, 1996

Secretary
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, DC 20554

DOCKET FILE COPY ORIGINAL

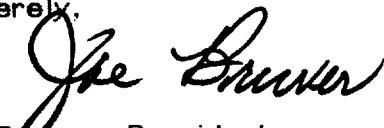
Dear Secretary:

Enclosed is our engineering survey requesting that Channel 227C-1 296A be allocated to Tullahoma Tennessee.

If this request is granted Tri-County Broadcasting intends to file an application for the frequency.

It is our understanding there is no FM service with facilities located within the Corporate limits of Tullahoma, Tennessee. The FM signals now received in Tullahoma are foreign.

Sincerely,


Joe Brewer, President
Tri-County Broadcasting
PO Box 398
Cowan, TN 37318-0398

JB:mlg

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List ABOVE MMB

"Franklin County's Most Powerful Radio Station"

BEFORE THE
Federal Communications Commission
Washington, D.C. 20554

RECEIVED
AUG 28 1996
FCC BILL ROGER

In the Matter of)
)
Amendment of Section 73.202(b))
of the Commission's Rules,)
FM Table of Allotments,)
to Allocate Channel 296A to)
Tullahoma, Tennessee)

MM Docket No. _____
RM _____

Tri County Broadcasting Company Inc. hereby requests that the Commission institute a rulemaking proceeding for the purpose of allotting FM Channel 296A to Tullahoma, Tennessee. Tri County proposes to amend Section 73.202(b) of the Commission's Rules, FM Table of Allotments, as follows

	Channel No.	
City	Present	Proposed
Tullahoma, Tennessee	227 C-1	227 C-1 296A

ORIGINAL

No reassignment of existing allotments is requested or proposed in this rulemaking.

A. If the requested allotment is made to Tullahoma, Tennessee, Tri County will apply for a construction permit for a new FM station on Channel 296A at Tullahoma, Tennessee. If Tri County is granted a construction permit, they will construct a new FM station to serve the Tullahoma, Tennessee, area immediately.

B. As demonstrated in the attached engineering report, this channel can be assigned to Tullahoma, Tennessee, in full compliance with all the minimum mileage separation requirements from the assumed hypothetical location. As can be seen from the engineering, the required 70 dBu contour will cover the entire city of Tullahoma.

C. Tullahoma is an incorporated city which has a 1990 U.S. Census population of 15,800 and is located in Coffee County. The assignment of Channel 296A will provide Tullahoma with its second local FM service, and its third local aural transmission service. Therefore, it is

believed that the public interest would be served by the allotment of Channel 296A to Tullahoma, Tennessee.

Therefore for the foregoing reasons we request that the Commission institute a rulemaking proceeding to amend Section 73.202(b) of its Rules by allotting Channel 296A at Tullahoma.

Respectfully submitted,

By: 

Joe Brewer, President
Tri County Broadcasting Co. Inc.
P.O. Box 398
Cowan, TN 37318

August 20, 1996

ENGINEERING REPORT FOR NEW FM TULLAHOMA, TENNESSEE

This engineering report has been prepared as a request of Tri County Broadcasting Company Inc. Tri County is asking that Channel 296 A be assigned to Tullahoma, Tennessee, as Tullahoma's second FM Channel. This Channel 296 A can be assigned to Tullahoma in full compliance of the Commission's rule 73.207. This assignment can be made to Tullahoma without any other changes being made in the FM Table of Assignments 73.202 (b) as amended. Therefore, Tri County Broadcasting Company Inc. is submitting this petition to the Commission's Allocation Division requesting that Channel 296 A be assigned to Tullahoma, Tennessee.

This proposal using the hypothetical coordinates of 35-20-48 North Latitude and 86-20-19 West Longitude can meet the minimal distance separation of 73.207. Examination of Exhibit 1 illustrates that Channel 296 A can be allotted to Tullahoma, Tennessee. This allocation study addresses the five critical channels adjacent to the desired Channel 296 A. The five adjacent channels are the first 200 kHz removed from Channel 296 A, then the second 400 kHz removed, and finally the third channel which would be 600 kHz. The other two channels would be the fifty-third removed and the fifty-fourth. This proposed site meets all of the requirements of the allocation process.

When selecting a site for a new station, a site must be selected that would comply with not only 73.207, but also, should meet the requirements of 73.215. As depicted in Exhibit 2, this hypothetical site shows beyond any doubt that a city grade contour of 70 dBu would be placed over the entire principle city of Tullahoma, Tennessee. The location of the site was picked so that the line-of-sight from the antenna to the principle city would have no major obstructions in the path.

The area where this transmitting system can be located is set out in Exhibit 3. From Exhibit 3, it can be seen that there is a reasonably large area where the antenna can be located and still comply with the spacing requirements of 73.207 and the city grade contour 73.215.

Exhibit 4 shows the distance to the contours for this station as proposed. In predicting the distance to the field strength contours the F (50, 50) field strength chart Figure 1 of 73.333 was used. The fifty percent field strength is defined as that value exceed for fifty percent of the time. The procedure the Commission outlined in predicting coverage in Rule 73.313 was utilized in making these calculations.

Eight profile graphs were drawn from the site and extended out sixteen kilometers. Three to sixteen kilometers were utilized in making the calculations to find the height above average terrain. The radial that passed through Tullahoma from the hypothetical coordinates is 73.6 degrees. This radial was not included when we computed the average height.

From the foregoing exhibits it can easily be seen that Channel 296 A can be allotted to Tullahoma, Tennessee, and meet all of the requirements of the Federal Communications Commission's Rules. We therefore request that the Commission issue notice a proposed rulemaking and assigned FM Channel 296 A to Tullahoma, Tennessee. If this channel is assigned to Tullahoma, Tri County Broadcasting Company Inc. will immediately file for and build this proposed station.

Olvie E. Sisk and Sisk Engineering assumes no liability for any errors or omissions in the information hereby provided. Sisk Engineering makes it known to the applicant that we have utilized the best information and data available to us at the time of this filing. To the best of our understanding of the Commission's rules and policies, this proposal does meet the requirements of the rules. Therefore, we shall not be liable for any injuries or damages (including consequential) which might occur from the use of this engineering report. Olvie E. Sisk and Sisk Engineering assumes no liability for this report or the outcome of this report whether it should be accepted or rejected by the Federal Communications Commission. The applicant agrees with and fully understands these stated terms. If the applicant does not agree, then this report is not to be filed with any agency of the federal government and is considered null and void.

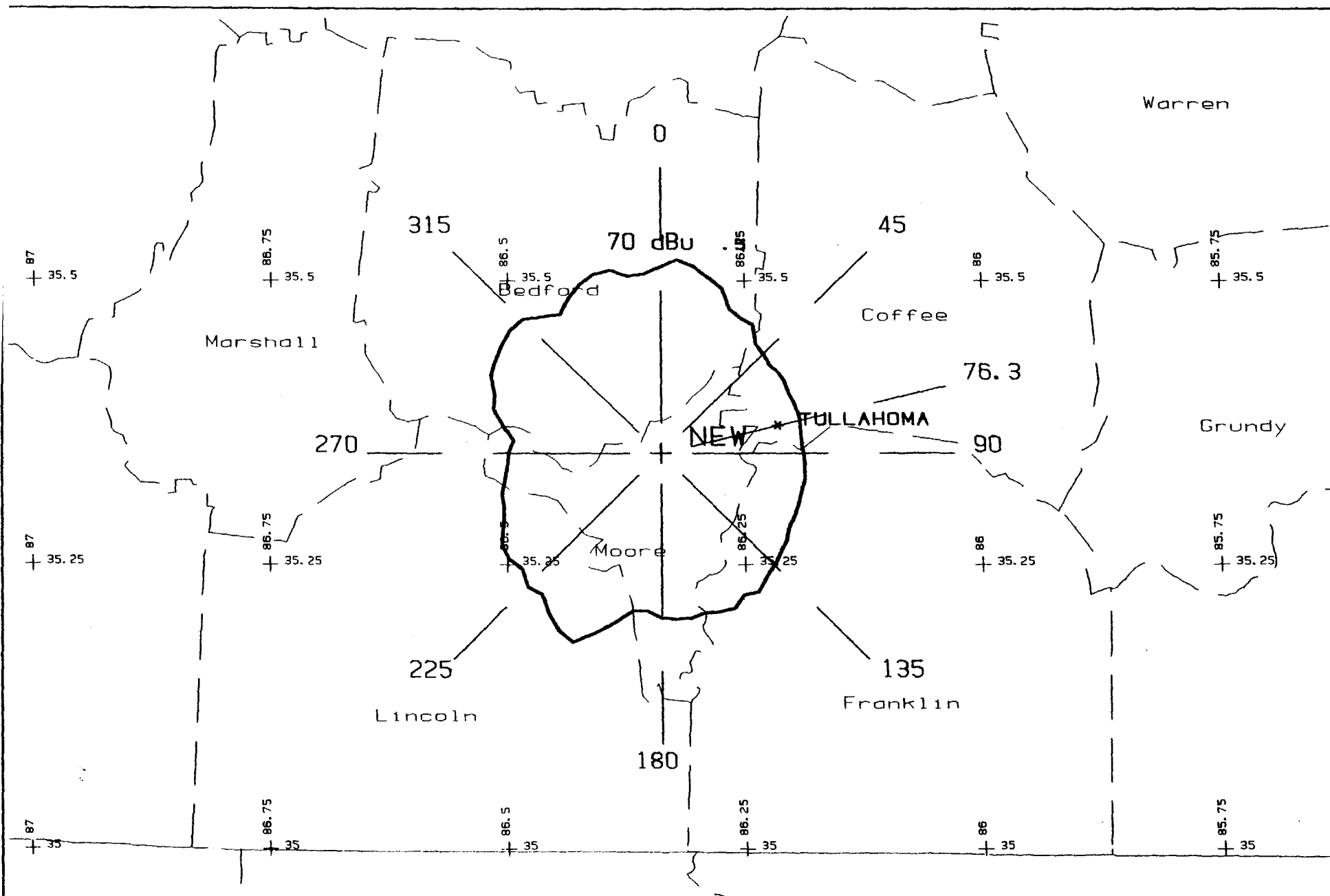
A handwritten signature in cursive script, reading "Olvie E. Sisk", written in dark ink.

Olvie E. Sisk
Sisk Engineering Inc.
August 20, 1996

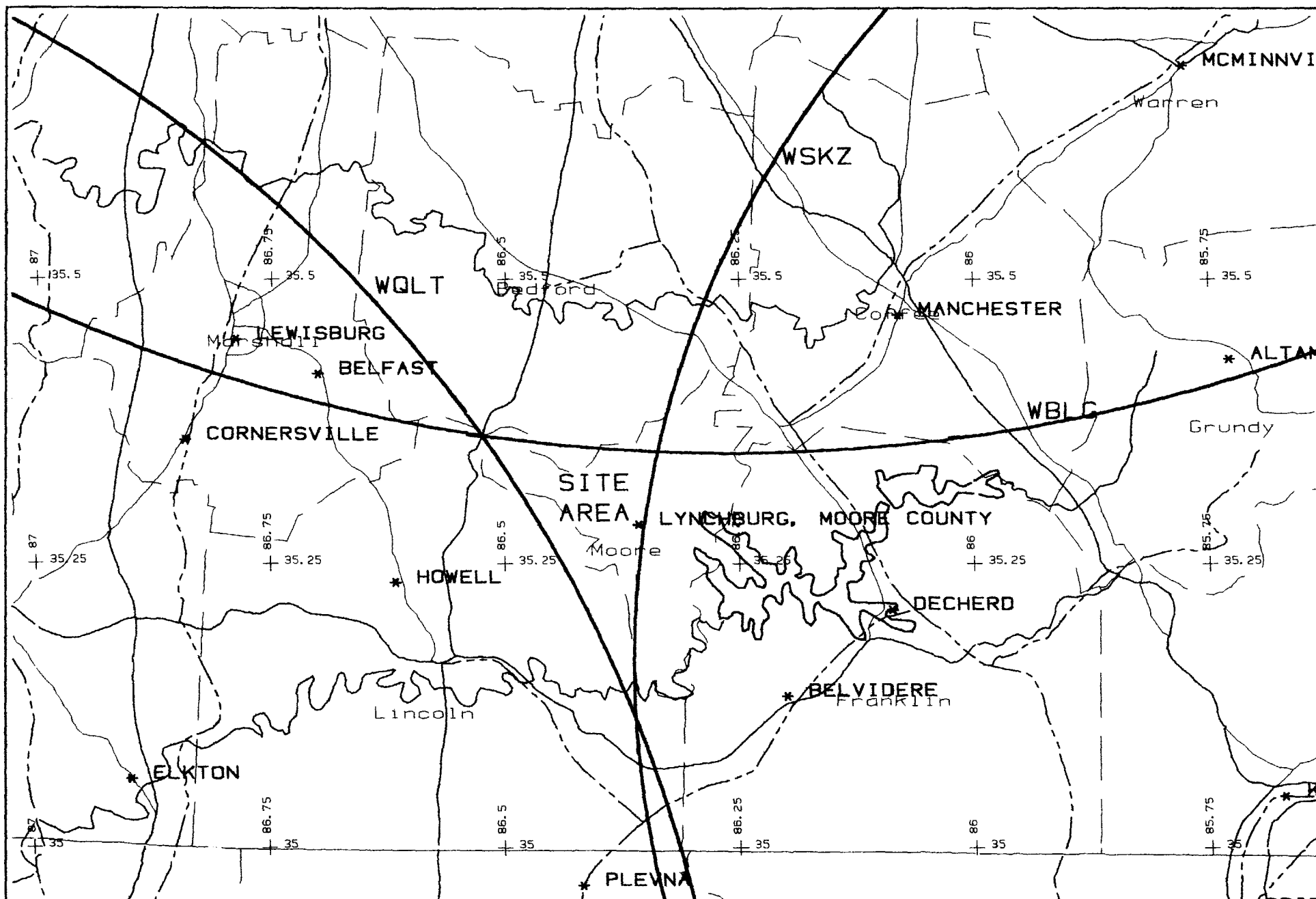
EXHIBIT 1

GENE SISK - SISK ENGINEERING
 HWY. 25 S. - RADIO BUILDING - FULTON MS 38843

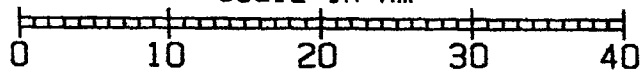
REFERENCE	CLASS A						DISPLAY DATES	
35 20 48 N							DATA	03-01-96
86 20 19 W	Current rules spacings						SEARCH	08-15-96
----- CHANNEL 296 -107.1 MHz -----								
CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)	
WSKZ	293C	Chattanooga	TN	102.5	95.09	95.0	0.09	<
LI CN	35 09 42	85 19 06	100.000 kW	329M	59.1	59.0		
	Radio Chattanooga, Inc.				BLH7303			
WBLG	296C2	Smiths Grove	KY	2.5	166.19	166.0	0.19	<
LI ZCN	36 50 35	86 15 30	50.000 kW	150M	103.3	103.2		
	Hilltopper Broadcasting, Inc.				BLH950123KB			
WTSHFM	296C2	Rockmart	GA	134.5	173.57	166.0	7.57	
LI CN	34 15 03	84 59 05	45.000 kW	158M	107.9	103.2		
	Broadcast Investment Associat				BLH921001KC			
WWEF	297A	Spencer	TN	64.5	82.08	72.0	10.08	
LI CN	35 39 55	85 31 19	2.000 kW	155M	51.0	44.8		
	Durham Broadcasting Corp, Inc				BLH930816KC			
WOLT	297C1	Florence	AL	239.3	146.22	133.0	13.22	
LI CN	34 40 24	87 42 56	100.000 kW	305M	90.9	82.7		
	Big River Broadcasting Corpor				BLH870813KD			



<p>Scale in km</p>	<p>NEW 296 6kW N. Lat. 35 20 48 W. Lng. 86 20 19</p>	<p>SISK ENGINEER-96</p>
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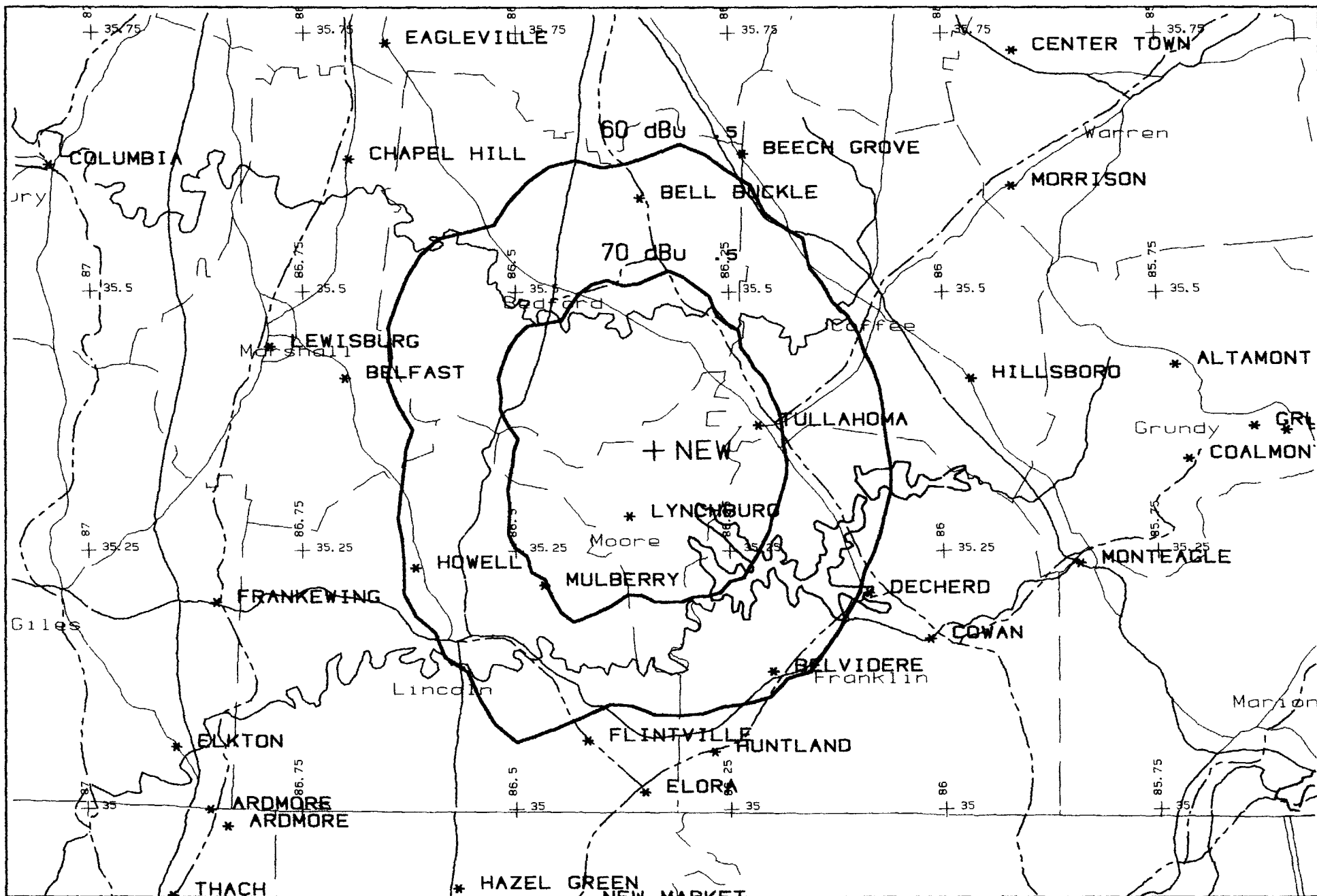
Scale in km



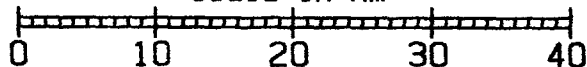
N. Lat. 35 20 48

W. Lng. 86 20 19

SISK ENGINEER/96



Scale in km



NEW 296 6kW

N. Lat. 35 20 48

W. Lng. 86 20 19

SISK ENGINEER - 08/96